

IN THE CLAIMS:

Please cancel Claims 3, 4, 13, 14, 23, 24, 28, 29, 33, 34, 37, 38, 41, 42, 45 and 46 without prejudice or disclaimer of subject matter, and please amend the claims as shown below. The claims, as pending in the subject application, read as follows:

1. (Currently Amended) A network managing method for providing a device list with which that comprises a plurality of records, each record comprising device information with regard to a plurality of devices is arranged in order and displayed for every device corresponding to at least one item of device information, comprising:

a first designating step of accepting a user designation of ~~a type~~ an item of at least one device information to be displayed in the device list, from among a plurality of ~~types~~ items of predetermined device information capable of being displayed in the device list;

~~a display control step of controlling to display, from among the plurality of types of device information, the type of the device information designated by the user in said first designating step in the device list, and not to display the type of the device information not designated by the user in said first designating step in the device list; and~~

a second designating step of accepting a user designation of ~~a type of the device information to be used as a display criterion in the case where a plurality of devices are arranged in order in the device list~~ an item of at least one device information, wherein the plurality of records comprised in the device list are sorted based on the item of the device information designated by the user in the second designating step;

~~wherein said display control step is adapted to control to display in the device list the type of device information designated by the user in said second designating~~

~~step even in a case where the type of the device information designated by the user in said second designating step is not designated by the user in said first designating step~~

a setting step of setting the item of the device information designated by the user in the second designating step to an item of device information to be displayed in the device list, in a case where the item of the device information is designated by the user in the second designating step; and

a display control step of controlling to display the device list that comprises the plurality of records which are sorted based on the item of the device information designated by the user in the second designating step,

wherein each of the plurality of records comprises device information corresponding to the item of the device information designated by the user in the first designating step and device information corresponding to the item of the device information designated by the user in the second designating step.

2. (Currently Amended) The method according to claim 1, ~~further comprising a display step of displaying~~ wherein the device list is displayed on a display area of a display.

3. and 4. (Canceled)

5. (Previously Presented) The method according to claim 1, further comprising:

a detection step of detecting a plurality of devices connected to a network;

a device information obtaining step of obtaining device information from the detected plurality of devices; and

a device list generation step of generating device list data representing the device list based on the obtained device information.

6. (Previously Presented) The method according to claim 5, further comprising a storing step of storing the obtained device information in a memory area, and, in the device list generation step, generating the device list data based on the device information stored in the memory area.

7. (Currently Amended) The method according to claim 5, further comprising:

a transmitting step of transmitting the generated device list data to the network; and

a second display controlling step of analyzing the transmitted device list data and having a display area display the device list.

8. (Previously Presented) The method according to claim 7, wherein said device list data is data described in HTML, and in the device list transmitting step the device list data is transmitted to the network using an HTTP protocol.

9. (Original) The method according to claim 8, wherein the device is a printer.

10. (Currently Amended) The method according to claim 1, wherein the item of device information is at least one type of information selected from the group of a device name, a device product name, a location of device installation, a device network address, and a device MAC address.

11. (Currently Amended) A device management device for providing a device list ~~in which~~ that comprises a plurality of records, each record comprising device information ~~with regard to a plurality of devices is arranged in order and displayed for~~ every device corresponding to at least one item of device information, comprising:

first designating means for accepting a user designation of ~~a type~~ an item of at least one device information to be displayed in the device list, from among a plurality of ~~types~~ items of predetermined device information capable of being displayed in the device list;

~~a display control means for controlling to display, from among the plurality of types of device information, the type of the device information designated by the user in said first designating means in the device list, and not to display the type of the device information not designated by the user in said first designating means in the device list; and~~

second designating means for accepting a user designation of ~~a type of~~ device information to be used as a display criterion in the case where a plurality of devices are arranged in order in the device list an item of at least one device information, wherein the plurality of records comprised in the device list are sorted based on the item of the device information designated by the user by the second designating means;

~~wherein said display control means is adapted to control to display in the device list the type of device information designated by the user in said second designating~~

~~means even in a case where the type of the device information designated by the user in said second designating means is not designated by the user in said first designating means~~

setting means for setting the item of the device information designated by the user by the second designating means to an item of device information to be displayed in the device list, in a case where the item of the device information is designated by the user by the second designating means; and

display control means for controlling to display the device list that comprises the plurality of records which are sorted based on the item of the device information designated by the user by the second designating means,

wherein each of the plurality of records comprises device information corresponding to the item of the device information designated by the user by the first designating means and device information corresponding to the item of the device information designated by the user by the second designating means.

12. (Original) The device according to claim 11, wherein said device list is displayed in a display area of an external device.

13. and 14. (Canceled)

15. (Previously Presented) The device according to claim 11, further comprising:

detecting means for detecting a plurality of devices connected to a network;

device information obtaining means for obtaining device information from the detected plurality of devices; and

device list generating means for generating device list data representing the device list based on the obtained device information.

16. (Previously Presented) The device according to claim 15, further comprising memory means for storing the obtained device information, wherein the device list generating means generates the device list data based on the device information stored in the memory means.

17. (Previously Presented) The device according to claim 15, further comprising transmitting means for transmitting the generated device list data to an external device, wherein the external device analyzes the transmitted device list data and has a display area display the device list.

18. (Previously Presented) The device according to claim 17, wherein the device list data is data described in HTML and the device list transmitting means transmits the device list data to the network using an HTTP protocol.

19. (Original) The device according to claim 18, wherein the device is a printer.

20. (Currently Amended) The device according to claim 11, wherein the item of device information is at least one ~~type of information selected from the group of~~ a device name, a device product name, a location of device installation, a device network address, and a device MAC address.

21. (Currently Amended) A computer-executable program stored on a computer-readable storage medium, said program for providing a device list ~~with which~~ that comprises a plurality of records, each record comprising device information ~~with regard to a plurality of devices is arranged in order and displayed for each device~~ corresponding to at least one item of device information, wherein said program makes a computer perform the steps of:

a first designating step of accepting a user designation of ~~a type~~ an item of at least one device information to be displayed in the device list, from among a plurality of ~~types~~ items of predetermined device information capable of being displayed in the device list;

~~a display control step of controlling to display, from among the plurality of types of device information, the type of the device information designated by the user in said first designating step in the device list, and not to display the type of the device information not designated by the user in said first designating step in the device list; and~~

a second designating step of accepting a user designation of ~~a type~~ an item of at least one device information, wherein the plurality of records comprised in the device list are sorted based on the item of the device information designated by the user in the second designating step; ~~of device information to be used as a display criterion in the case where a plurality of devices are arranged in order in the device list; and~~

~~wherein said display control step is adapted to control to display in the device list the type of device information designated by the user in said second designating step even in a case where the type of the device information designated by the user in said second designating step is not designated by the user in said first designating step~~

a setting step of setting the item of the device information designated by the user in the second designating step to an item of device information to be displayed in the device list, in a case where the item of the device information is designated by the user in the second designating step; and

a display control step of controlling to display the device list that comprises the plurality of records which are sorted based on the item of the device information designated by the user in the second designating step,

wherein each of the plurality of records comprises device information corresponding to the item of the device information designated by the user in the first designating step and device information corresponding to the item of the device information designated by the user in the second designating step.

22. (Previously Presented) The program according to a claim 21, wherein the program further makes the computer perform a display step that displays the device list on a display area.

23. and 24. (Canceled)

25. (Previously Presented) The program according to a claim 21, wherein said program further makes the computer perform the steps of:

a detection step of detecting a plurality of devices connected to a network;

a device information obtaining step of obtaining device information from the detected plurality of devices; and



a device list generation step of generating device list data representing the device list based on the obtained device information.

26. (Currently Amended) A computer-readable recording medium ~~for storing on which is stored~~ a computer-executable program to provide a device list ~~in which that comprises a plurality of records, each record comprising~~ device information ~~with regard to a plurality of devices is arranged in order and displayed for every device corresponding to at least one item of device information~~, the program comprising the steps of:

a first designating step of accepting a user designation of ~~a type~~ an item of at least one device information to be displayed in the device list, from among a plurality of ~~types~~ items of predetermined device information capable of being displayed in the device list;

~~a display control step of controlling to display, from among the plurality of types of device information, the type of the device information designated by the user in said first designating step in the device list, and not to display the type of the device information not designated by the user in said first designating step in the device list; and~~

a second designating step of accepting a user designation of ~~a type of device information to be used as a display criterion in the case where a plurality of devices are arranged in order in the device list; and~~ an item of at least one device information, wherein the plurality of records comprised in the device list are sorted based on the item of the device information designated by the user in the second designating step;

~~wherein said display control step is adapted to control to display in the device list the type of device information designated by the user in said second designating~~

~~step even in a case where the type of the device information designated by the user in said second designating step is not designated by the user in said first designating step~~

a setting step of setting the item of the device information designated by the user in the second designating step to an item of device information to be displayed in the device list, in a case where the item of the device information is designated by the user in the second designating step; and

a display control step of controlling to display the device list that comprises the plurality of records which are sorted based on the item of the device information designated by the user in the second designating step.

wherein each of the plurality of records comprises device information corresponding to the item of the device information designated by the user in the first designating step and device information corresponding to the item of the device information designated by the user in the second designating step.

27. (Previously Presented) The recording medium according to claim 26, wherein the program further comprises a display step having a display area display the device list.

28. and 29. (Canceled)

30. (Previously Presented) The recording medium according to claim 26, wherein the program further comprises the steps of:

a detection step of detecting a plurality of devices connected to a network;

a device information obtaining step of obtaining device information from the detected plurality of devices; and

a device list generation step of generating device list data representing the device list based on the obtained device information.

31. (Currently Amended) A method of providing a data list that displays data ~~with regard to~~ that comprises a plurality of records ~~arranged in order for every record,~~ each record comprising data corresponding to at least one item of data, comprising the steps of:

a first designating step of accepting a user designation of an item of at least one data ~~type~~ to be displayed in the data list, from among a plurality of predetermined ~~data types~~ items of data capable of being displayed in the data list;

a second designating step of accepting a user designation of ~~a data type to be used as a display criterion in the case where a plurality of records are arranged in the data list~~ an item of at least one data, wherein the plurality of records comprised in the data list are sorted based on the item of the data designated by the user in the second designating step; and

~~a display control step of controlling a display of the plurality of records such that each record is displayed with the type of data designated by the user in the first designating step and is not displayed with the type of data not designated by the user in the first designating step;~~

~~wherein in said display control step, data of the type designated by the user in the second designating step is displayed in the data list even if it is not included in the type of information designated by the user in the first designating step~~

a setting step of setting the item of data designated by the user in the second designating step to an item of data to be displayed in the data list, in a case where the item of data is designated by the user in the second designating step; and

a display control step of controlling to display the data list that comprises the plurality of records which are sorted based on the item of the data designated by the user in the second designating step,

wherein each of the plurality of records comprises data corresponding to the item of data designated by the user in the first designating step and data corresponding to the item of the data designated by the user in the second designating step.

32. (Original) The method according to claim 31, further comprising a display step of making a display area display the data list.

33. and 34. (Canceled)

35. (Currently Amended) A device for providing a data list ~~in which that~~ displays data with regard to that comprises a plurality of records ~~is arranged and displayed in order for every record, each record comprising data corresponding to at least one item of data,~~ comprising:

first designating means for accepting a user designation of an item at least one data type to be displayed in the data list, from among a plurality of predetermined data types items of data capable of being displayed in the data list;

second designating means for accepting a user designation of ~~a data type to be used as a display criterion when a plurality of records are arranged in the data list~~ an

item of at least one data, wherein the plurality of records comprised in the data list are sorted based on the item of the data designated by the user by the second designating means; and

~~display control means for displaying the plurality of records such that each record is displayed with the type of data designated by the user in the first designating means and is not displayed with the type of data designated by the user in the first designating means;~~

~~wherein in said display control means, in which device information of the type designated by the user in the second designating means is controlled is displayed in the data list even if it is not included in type of information designated by the user in the first designating means~~

setting means for setting the item of data designated by the user by the second designating means to an item of data to be displayed in the data list, in a case where the item of data is designated by the user by the second designating means; and

display control means for controlling to display the data list that comprises the plurality of records which re sorted based on the item of the data designated by the user by the second designating means,

wherein each of the plurality of records comprises data corresponding to the item of data designated by the user by the first designating means and data corresponding to the item of the data designated by the user by the second designating means.

36. (Original) The device according to claim 35, further comprising displaying means for making a display area display the data list.

37. and 38. (Canceled)

39. (Currently Amended) A computer-executable program stored on a computer-readable storage medium, said program for providing a data list that displays data ~~with regard to that comprises~~ a plurality of records ~~arranged in order for every record,~~ each record comprising data corresponding to at least one item of data, wherein the program makes a computer perform the steps of:

a first designating step of accepting a user designation of an time of at least one data ~~type~~ to be displayed in the data list, from among a plurality of predetermined data ~~types~~ items of data capable of being displayed in the data list;

a second designating step of accepting a user designation of ~~a data type to be used as a display criterion in the case where a plurality of records are arranged in the data list~~ an item of at least one data, wherein the plurality of records comprised in the data list are sorted based on the time of the data designated by the user in the second designating step; and

~~a display control step for displaying the plurality of records such that each record is displayed with the type of data designated by the user in the first designating means and is not displayed with the type of data designated by the user in the first designating step;~~

~~wherein in said display control step, in which data of the type designated by the user in the second designating step is controlled is displayed in the data list even if it is not included in the type of data designated by the user in the first designating step~~

a setting step of setting the item of data designated by the user in the second designating step to an item of data to be displayed in the data list, in a case where the item of data is designated by the user in the second designating step; and

a display control step of controlling to display the data list that comprises the plurality of records which are sorted based on the item of the data designated by the user in the second designating step.

wherein each of the plurality of records comprises data corresponding to the item of data designated by the user in the first designating step and data corresponding to the item of the data designated by the user in the second designating step.

40. (Previously Presented) The program according to claim 39, wherein the program further makes the computer perform a display step of displaying the data list on a display area.

41. and 42. (Canceled)

43. (Currently Amended) A computer-readable recording medium on which is stored ~~which stores~~ a computer-executable program for providing a data list that displays in which data with regard to that comprises a plurality of records ~~is arranged in order and displayed for every record,~~ each record comprising data corresponding to at least one item of data, wherein said program comprises the steps of:

a first designating step of accepting a user designation of an item of at least one data type to be displayed in the data list, from among a plurality of predetermined data types items of data capable of being displayed in the data list;

a second designating step of accepting a user designation of ~~a type of data to be used as a display criterion in the case where a plurality of records are arranged in order in the data list~~ an item of at least one data, wherein the plurality of records comprised in the data list are sorted based on the item of the data designated by the user in the second designating step; and

~~a display control step of controlling a display of the plurality of records such that each record is displayed with the type of data designated by the user in the first designating step and is not displayed with the type of data not designated by the user in the first designating step;~~

~~wherein in said display control step, data of the type designated by the user in the second designating step is displayed in the data list even if it is not included in the type of data designated by the user in the first designating step~~

a setting step of setting the item of data designated by the user in the second designating step to an item of data to be displayed in the data list, in a case where the item of data is designated by the user in the second designating step; and

a display control step of controlling to display the data list that comprises the plurality of records which are sorted based on the item of the data designated by the user in the second designating step,

wherein each of the plurality of records comprises data corresponding to the item of data designated by the user in the first designating step and data corresponding to the item of the data designated by the user in the second designating step.



44. (Previously Presented) The recording medium according to claim 43, wherein the program further comprises a display step of displaying the data list on a display area.

45. to 52. (Canceled)

53. (New) A method according to Claim 1, further comprising a judging step of judging whether or not the item designated in said second designating step was designated in the first designating step,

wherein, in a case where it is judged that the item designated in said second designated step was not designated in the first designating step, said setting step sets the item designated in said second designating step to the item to be displayed in the device list.

54. (New) The device according to Claim 11, further comprising judging means for judging whether or not the item designated by said second designating means was designated by the first designating means,

wherein, in a case where it is judged that the item designated by said second designated means was not designated by the first designating means, said setting means sets the item designated by said second designating means to the item to be displayed in the device list.

55. (New) The program according to Claim 21, further comprising a judging step of judging whether or not the item designated in said second designating step was designated in the first designating step,

wherein, in a case where it is judged that the item designated in said second designated step was not designated in the first designating step, said setting step sets the item designated in said second designating step to the item to be displayed in the device list.

56. (New) The recording medium according to Claim 26, further comprising a judging step of judging whether or not the item designated in said second designating step was designated in the first designating step,

wherein, in a case where it is judged that the item designated in said second designated step was not designated in the first designating step, said setting step sets the item designated in said second designating step to the item to be displayed in the device list.

57. (New) The method according to Claim 31, further comprising a judging step of judging whether or not the item designated in said second designating step was designated in the first designating step,

wherein, in a case where it is judged that the item designated in said second designated step was not designated in the first designating step, said setting step sets the item designated in said second designating step to the item to be displayed in the data list.

58. (New) The device according to Claim 35, further comprising a judging means for judging whether or not the item designated by said second designating means was designated by the first designating means,

wherein, in a case where it is judged that the item designated by said second designated means was not designated by the first designating means, said setting means sets the item designated by said second designating means to the item to be displayed in the data list.

59. (New) The program according to Claim 39, further comprising a judging step of judging whether or not the item designated in said second designating step was designated in the first designating step,

wherein, in a case where it is judged that the item designated in said second designated step was not designated in the first designating step, said setting step sets the item designated in said second designating step to the item to be displayed in the data list.

60. (New) The recording medium according to Claim 43, further comprising a judging step of judging whether or not the item designated in said second designating step was designated in the first designating step,

wherein, in a case where it is judged that the item designated in said second designated step was not designated in the first designating step, said setting step sets the item designated in said second designating step to the item to be displayed in the data list.